

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-316)						Page 1 of 2	
TO: Executive Director, Florida Inland Navigation District 1314 Marcinski Road, Jupiter, FL						June 2002	
FROM USACE. District Engineer Attn: CESAJ-CO-OM Jacksonville. Florida							
RIVER/HARBOR NAME AND STATE Intracoastal Waterway, Volusia Co, FL						MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD	
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
IWW, Volusia County - Vicinity of Ponce De Leon Inlet; Cut-V22: from green Light-67 to 350 feet south of green Light-1	Jun-2002	125-215	1.3	12	6.8 (1)	3.4 (1)	2.2 (1)
Cut V-23: from 350 feet south of green Light-1 to red Light-4	Jun-2002	125-270	0.5	12	3.7 (2)	0.4 (2)	0.4 (2)
Cut V-24: from red light-4 to 250 feet north of red Light-10	Jun-2002	125-270	2.1	12	7.1 (3)	3.7 (3)	1.6 (3)
Cut V-25 and V-26: from 250 feet north of red Light-10 to 150 feet west of red Light-14	Jun-2002	125-225	0.7	12	1.2 (4)	1.7 (4)	8.6 (4)
Cut V-27: from 150 feet west of red Light-14 to intersection with Cut-IS (Ponce De Leon Inlet)	Jun-2002	125-340	0.7	12	6.5 (5)	6.3 (5)	6.2 (5)
Cuts V-28 and V-29: from 500 feet east of green Light-19 to 400 feet north of red Light-26	Jun-2002	125-340	0.8	12	7.4 (6)	6.8 (6)	7.1 (6)
Cuts V-30 and V-31: from 400 feet north of red Light-26 to 500 feet south of red Light-30	Jun-2002	125-290	0.9	12	10.4 (7)	10.9 (7)	9.3 (6)
Cuts V-32 and V-33: from 500 feet south of red Light-30 to 500 feet west of green Light-35	Jun-2002	125-290	0.6	12	5.7 (8)	4.3 (8)	3.5 (8)
Cuts V-34 thru V-36: from 500 feet west of green Light-35 to the New Smyrna Beach Bridge	Jun-2002	125-290	0.8	12	4.2 (9)	6.4 (9)	11.6 (9)
Cuts V-36 and V-37: from the New Smyrna Beach Bridge to 100 feet north of red Daybeacon-46	Jun-2002	125-220	0.6	12	7.7 (10)	7.7 (10)	8.3 (10)
Cut V-38: from 100 feet north of red Daybeacon-46 to 200 feet south of green Light-53	Jun-2002	125-165	2.1	12	6.2 (11)	6.6 (11)	7.8 (11)
Cut V-39: from 200 feet south of green Light-53 to 150 feet south of red Light-60	Jun-2002	125	2.4	12	6.6 (12)	6.1 (12)	8.3 (12)
Cut V-40: from 150 feet south of red Light-60 to green Light-63	Jun-2002	125	0.6	12	8.8 (13)	8.4 (13)	7.9 (13)

Remarks:

1. Shoaling across entire channel from red Daybeacon-68 and extending just southward of green Daybeacon-69 as marked by USCG. Deeper water exists outside of Federal channel easterly toward green Daybeacon-69. Shoaling also located throughout

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-316)					Page 2 of 2		
					June 2002		
TO: Executive Director, Florida Inland Navigation District 1314 Marcinski Road, Jupiter, FL				FROM USACE. District Engineer Attn: CESAJ-CO-OM Jacksonville, Florida			
RIVER/HARBOR NAME AND STATE Intracoastal Waterway, Volusia Co, FL				MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			

entire channel in vicinity of green Light-1.

2. Extreme shoaling located across entire channel. Least depths occur between red Daybeacon-2 and red Nun Buoy-2A. US Coast Guard has marked more navigable water east of Federal Channel.
3. Shoaling located throughout entire channel. Least depths occur approximately 100 feet south of red Daybeacon-6, on west side of channel.
4. Shoaling located throughout entire channel. Least depths occur in widener of Cut V-25. Deeper water exists west of Federal channel in this area (toward red Light-10).
5. Shoaling located throughout entire widener of Cuts V-26 and V-27. Shoaling also located across entire channel from red Daybeacon-18 and extending approximately 300 feet eastward.
6. Shoaling throughout entire channel from 200 feet north of red Daybeacon-20 to green Light-21. Shoaling is also located throughout entire widener at red Daybeacon-24 to red Buoy-26.
7. Spot shoaling located throughout entire channel.
8. Shoaling throughout entire channel from just east of red Daybeacon-34 to green Light-35. From green Light-35 shoaling continues along the southern half of channel and widener.
9. Shoaling located throughout wideners and extends 100 feet inside the channel at approximately 150 feet north of red/green Daybeacon-Y.
10. Shoaling located throughout entire channel from approximately 600 feet south of New Smyrna Beach Bridge to red Light-42. From red Light-42 shoaling continues along the eastern edge of channel and widener.
11. Shoaling located throughout entire channel from red Daybeacon-46 to 1,100 feet north of green Daybeacon-47. Shoaling then continues along the eastern portion of channel for 700 feet. Spot shoaling also located approximately 1,000 feet north of and extending to red Daybeacon-50. Shoaling encompasses entire channel from 200 feet north of green Daybeacon-51 to green Light-53.
12. Shoaling located throughout entire channel.
13. Shoaling located throughout entire channel.